

REMARKSPresent Status of the Application

The Office Action rejected claims 1, 3-6 and 8-12 under 35 U.S.C. 102(b), as being anticipated by Castleman (US Patent No. 5,570,002). Claims 2, 7 was rejected under 35 U.S.C. 103(a) as being unpatentable over Castleman in view of Baston (US Patent No. 6,400,043). Claims 6-9 have been canceled. Claims 1 and 11 have been amended. Claims 13 and 14 have been added. This Amendment is promptly filed to place the above-captioned case in condition for allowance. No new matter has been added to the application by the amendments made to the claims, specification or otherwise in the application. After considering the following remarks, a notice of allowance is respectfully solicited.

Discussion of 102 and 103 Rejections

Claims 1, 3-6 and 8-12 stand rejected under 35 U.S.C. 102(b), as being anticipated by Castleman (US Patent No. 5,570,002).

Applicants respectfully traverse the rejections for at least the reasons set forth below.

The independent claims 1 and 11 have been amended to more clearly define the system and the method according to the present invention.

Claims 1, 10 and 11 respectively recite:

1. (Once Amended) A universal power supply (UPS) system, comprising:

a device circuit, wherein the device circuit comprises

a device ID (identification) code unit, storing a device ID code of the device circuit, and

a power input interface, used to transmit a needed power to the device circuit;

a UPS unit, wherein the UPS unit comprises

a voltage supply unit,

a device ID detecting unit that can detect the device ID code stored in the device ID code unit of the device circuit, and

a voltage control unit, that controls the voltage unit to supply a power type of the needed power, according to the device ID code; and

a standard interface unit, coupled between the device circuit and the UPS unit, to supply the needed power to the device circuit and transmitting the device ID code.

10. A universal power supply (UPS) system, comprising:

a device circuit;

a UPS unit; and

a standard interface unit, coupled between the device circuit and the UPS unit, thereby to supply a needed power to the device circuit.

11. (Once Amended) A method for supplying power to a device circuit, comprising:

providing a device circuit having a power input interface and a battery;

pre-setting a device ID code to the device circuit;

detecting the device ID code, to recognize a power type needed by the device circuit;

providing a power source apparatus; and

controlling the power source apparatus, according to the power type, to supply a power to the device circuit through the power input interface, wherein the device circuit can also receive a power from the battery through the power input interface.

Applicant respectfully submits that the UPS system claimed in the present invention is not anticipated by Castleman, because the Castleman reference lacks these features emphasized above (in bold). Castleman discloses a universal power-supply connection system for multiple electronic devices including a power source 110, a power supply system 120 and supplied devices 140a-140z (Fig.2). The power supply system 120 comprises a voltage regulator 122, a microprocessor 125 having a memory device 124 and a controllable regulator 128. In addition, each of the supplied devices 140a-140z includes a memory device to store its identification information. Each of the supplied devices 140a-140z receives the power from the power supply system 120 through individual information terminals 126a-126z and cables 130a-130z. After

receiving the identification information, the microprocessor 125 selects power parameters for passage of power from the power source 110 to the supplied devices 140a-140z.

However, Castleman fails to teach or suggest that the standard interface as claimed in the present invention. The standard interface of the present invention can transfer the power source to an intended device without being affected by the type of the device circuit 112. In other words, the power supply in the Castleman reference needs individual information terminals 126a-126z and cables 130a-130z for different device. But in the present invention, only the standard interface 110 is needed for different device. In addition, Castleman fails to teach or suggest that each of the supplied devices has a power input interface as claimed in the present invention. The device circuit can receive the needed power from the UPS unit or the battery through the power input interface. In other words, the device circuit not only can receive the power from the UPS unit through the power input interface, but also can receive the power from the battery through the power input interface. Therefore, Castleman cannot anticipate the present invention as defined in independent claims 1, 10 and 11. For at least the same reasons, dependent claims 3-5 and 12 are not anticipated either. Claims 6, 8, and 9 have been canceled. Withdrawal and reconsideration of this 102 rejection are respectfully requested.

Claims 2, 7 was rejected under 35 U.S.C. 103(a) as being unpatentable over Castleman in view of Baston (US Patent No. 6,400,043).

Claim 7 has been canceled. Dependent claim 2 is submitted to be patentably distinguishable over the cited reference for at least the same reasons as independent claim 1, from which this claim respectively depends, as well as for the additional features that this claim recites. Moreover, the power supply in Baston reference is not related to the UPS of the present invention directly. Claim 2 is believed allowable and such allowance is respectfully requested. As a result, withdrawal of this 103 rejection is respectfully requested.

New Claims

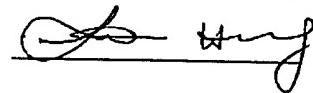
New claims 13-14 depend from claim 1 and contain features that further distinguish over the cited prior art.

CONCLUSION

For at least the foregoing reasons, it is believed that all pending claims are in proper condition for allowance. If the Examiner believes that a telephone conference would expedite the examination of the above-identified patent application, the Examiner is invited to call the undersigned.

Respectfully submitted,

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MARKED VERSION TO SHOW CHANGEIn The Claim

Claims 6-9 have been canceled.

Claims 1 and 11 have been amended as follows:

1. (Once Amended) A universal power supply (UPS) system, comprising:
 - a device circuit, wherein the device circuit comprises
 - a device ID (identification) code unit, storing a device ID code of the device circuit, and
 - a power input interface, used to transmit a needed power to the device circuit;
 - a UPS unit, wherein the UPS unit comprises
 - a voltage supply unit,
 - a device ID detecting unit that can detect the device ID code stored in the device ID code unit of the device circuit, and
 - a voltage control unit, that controls the voltage unit to supply a power type of the needed power, according to the device ID code; and
 - a standard interface unit, coupled between the device circuit and the UPS unit, to supply the needed power to the device circuit and transmitting the device ID code.

11. (Once Amended) A method for supplying power to a device circuit, comprising:

providing a device circuit having a power input interface and a battery;
pre-setting a device ID code to the device circuit;
detecting the device ID code, to recognize a power type needed by the device circuit;
providing a power source apparatus; and
controlling the power source apparatus, according to the power type, to supply a power to the device circuit through the power input interface, wherein the device circuit can also receive a power from the battery through the power input interface.

New claims 13 and 14 have been added.